

# PVB

## Low Profile SMT Push Switches

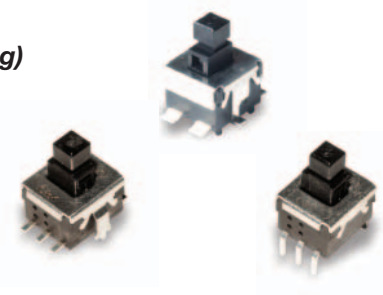
**NEW!**

### Features/Benefits

- Compact design
- Adapted for medium power applications
- SMD soldering process
- Tape & reel packaging
- RoHS compliant and compatible

### Typical Applications

- Automotive (air conditioning, lighting)
- Industrial
- Control panels



### Construction

FUNCTION: Momentary, Push-Push  
 CONTACT ARRANGEMENT: SPDT (PVB4); DPDT (PVB6)  
 SWITCHING MODE: Non-shorting  
 TERMINALS: G termination  
 PC Pins for THT version

### Mechanical

TOTAL TRAVEL / LATCHING TRAVEL:  
 OA: 2,3 mm  
 EE: 2,3 / 1,5 mm  
 OPERATING FORCE: 3N

### Process

SOLDERING:  
 Compatible with lead free soldering process

### Packaging

PVB4 - 150 pieces  
 PVB6 - 200 pieces per reel for SMT version  
 PVB6 - 600 pieces per box for THT version

### Electrical

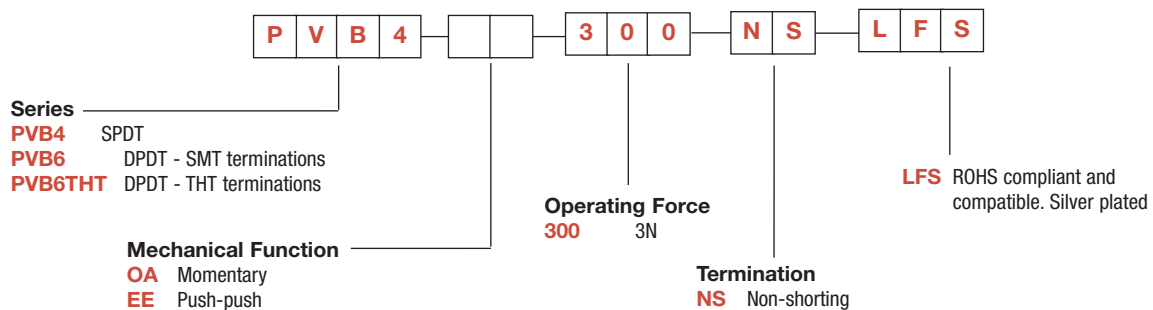
SWITCHING POWER MAX.: PVB4: 1,4 W DC ; PVB6: 2,8 W DC  
 SWITCHING VOLTAGE MAX.: 14 V DC  
 SWITCHING CURRENT MAX.: PVB4: 100 mA DC; PVB6: 200 mA DC  
 DIELECTRIC STRENGTH (50 Hz / 1 min): 500 V between open contacts  
 OPERATING LIFE:  
 PVB4  
     OA (momentary):  $\geq 1 \times 10^5$  operations  
     EE (push-push):  $\geq 1 \times 10^5$  operations  
 PVB6  
     OA (momentary):  $\geq 3 \times 10^5$  operations  
     EE (push-push):  $\geq 3 \times 10^5$  operations  
 CONTACT RESISTANCE: Initial  $\leq 150$  m $\Omega$   
 INSULATION RESISTANCE:  $\geq 10^8 \Omega$  (100 VDC - 60s)

### Environmental

OPERATING TEMPERATURE: -40°C to 80°C

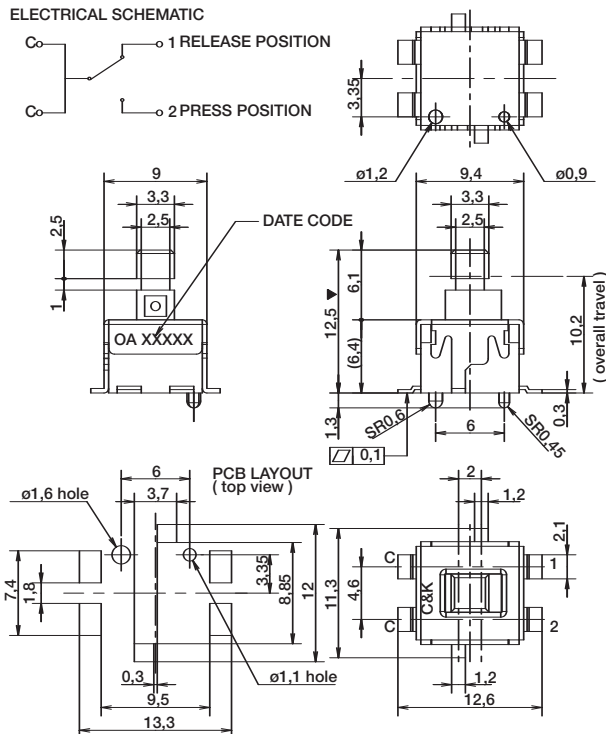
### How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box. **Some of the configurations may not be available or could require some development.**



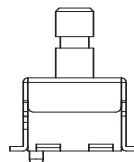
## PVB4 OA MOMENTARY

ELECTRICAL SCHEMATIC



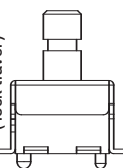
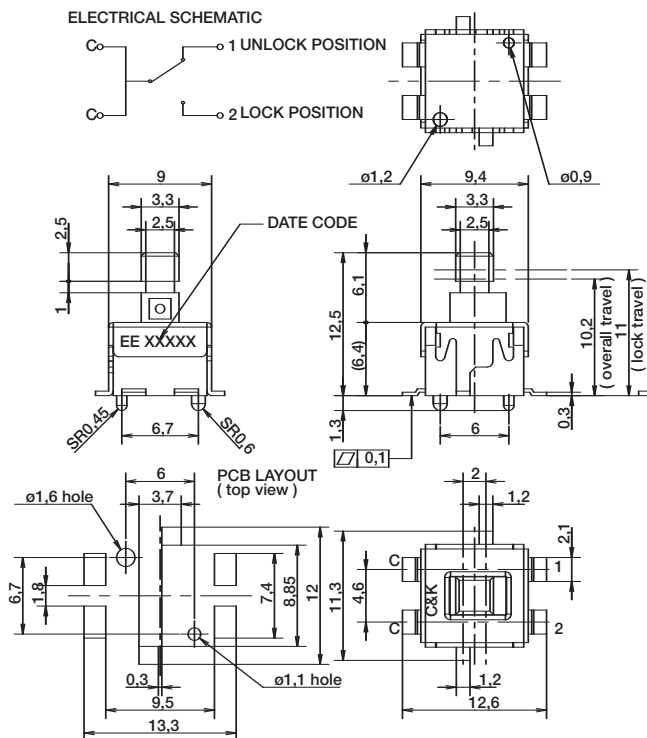
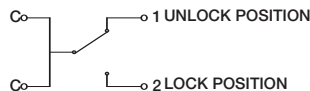
Year  
 Week  
 Day for the week

X X X X X For example 1202



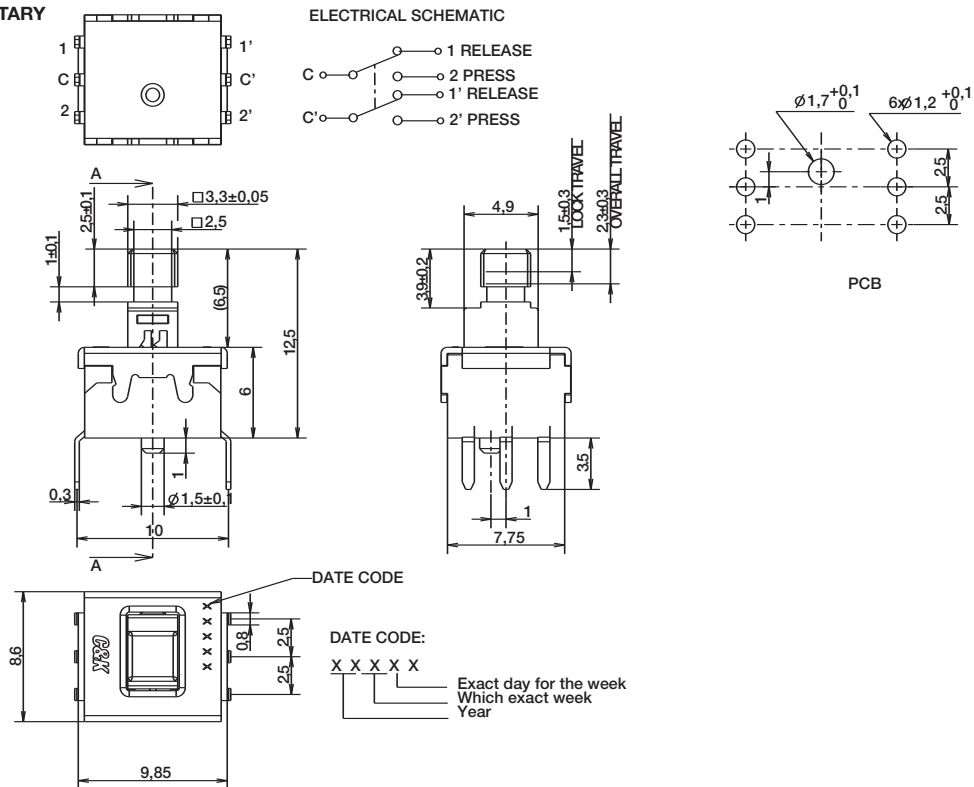
**PVB4 EE** PUSH PUSH

### ELECTRICAL SCHEMATIC

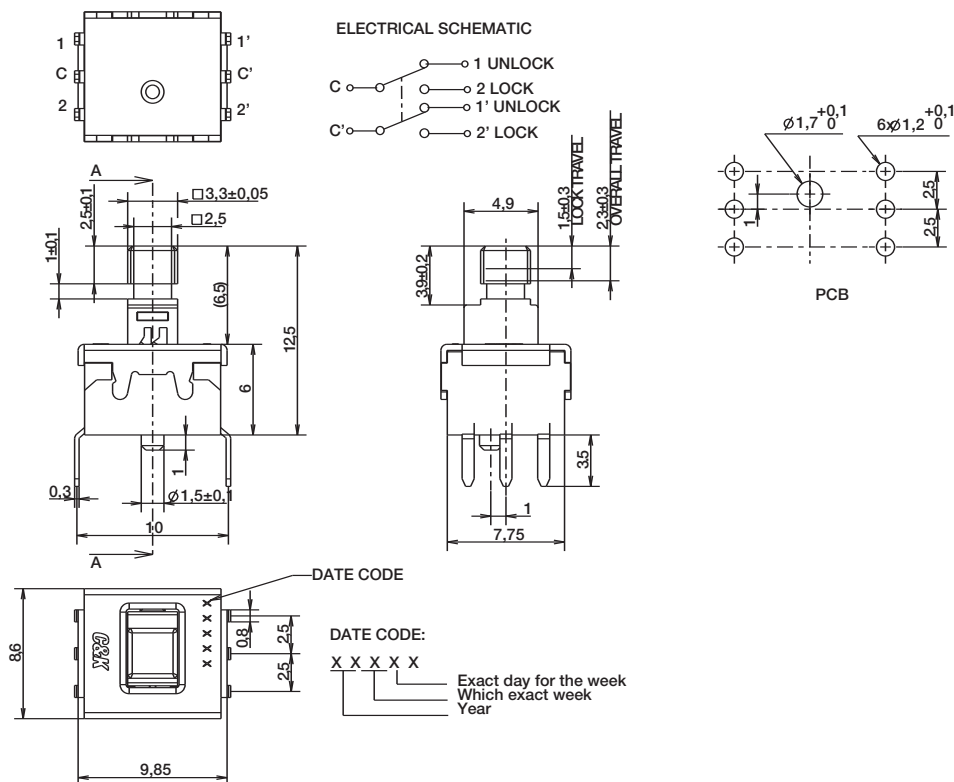


**NEW!**

**PVB6 THT OA** **MOMENTARY**



**PVB6 THT EE** PUSH PUSH

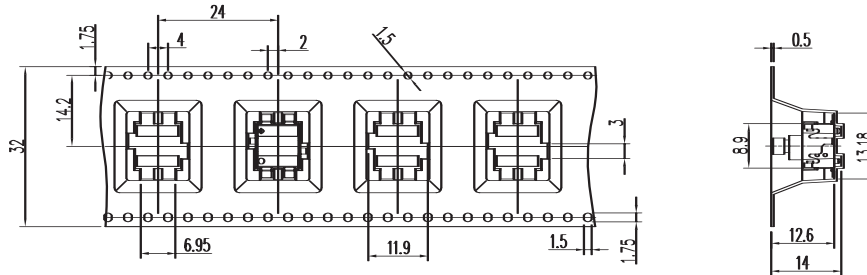


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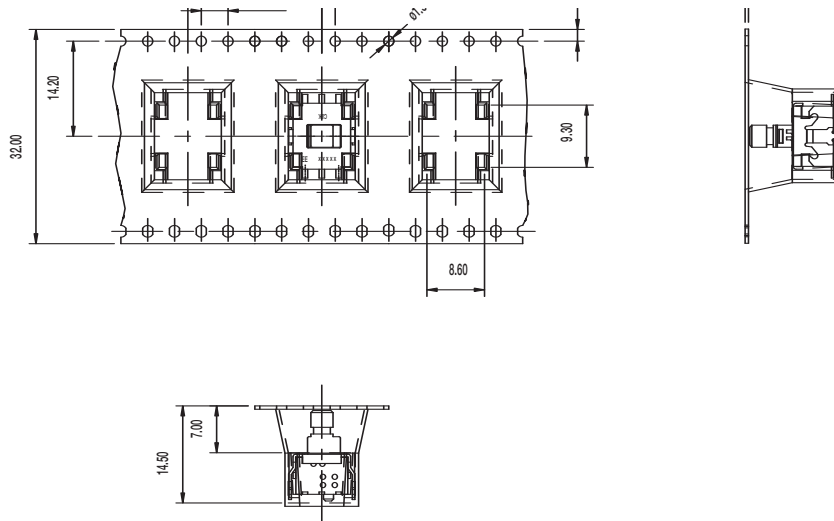
**NEW!**

**TAPE & REEL**

## PVB4



## PVB6



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Key Switches